Wednesday, 12/20/2006 1:47:43 PM

Kim Johnston

#### Process Sheet ---

Customer

: CU-DAR001 Dart Helicopters Services

Job Number

: 30059

**Estimate Number** 

: 11394

P.O. Number

: NA

This Issue Prsht Rev.

First Issue

: 12/20/2006

: 27746

**Previous Run** 

Written By Checked & Approved By

Comment

Est Rev:06-07-03

Type

B 05.05.09

Added engraving

: PURCHASED PARTS

EC

KJ/JLM

As per Rev C JLM

**Drawing Name** 

: BUBBLE WINDOW, RH

Part Number

: D32692

**Drawing Number** 

: D3269 REVC/DSI9329 B

: N/A Project Number **Drawing Revision** 

: C/B Al G:

Material : 1/10/2007 Due Date

Qty:

5 Um:

Each

**Additional Product** 

Job Number:



Seq. #:

Machine Or Operation:

Description: PURCHASING

1.0

PG

Comment: PURCHASING

Issue P/0: \_\_ <u>2763</u>

Manufacture D3269-2 as per Dwg D3269

Possible Supplier: Canus

Material release note is required

CLOG/12/21

2.0

D32692P

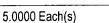
Bubble Window, RH R44



Comment: Qty.:

1.0000 Each(s)/Unit

Total:



3.0

PACKAGING

PACKAGING RESOURCE #1



Bubble Window, RH R44

Comment: PACKAGING RESOURCE #1

Recieive & Inspect for Transit Damage

Ensure Material Release Note is attached

4.0 QC6





Comment: DIMENSIONAL CHECK

5.0



SMALL & MEDIUM FAB RESOURCE 1



Comment: SMALL & MEDIUM FAB RESOURCE 1 Engrave p/n & batch# per Dwg D3269

XŠ

# **Dart Aerospace Ltd**

W/O: WORK ORDER CHANGES									
DATE	STEP		PROCEDUR	RE CHANGE	В	y Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
				•					

Part No:	PAR #:	Fault Category:	NCR: Yes No DQA:	Date: <u>0 7/0/</u>
			QA: N/C Closed:	Date:

NCR:			WORK ORDER NON-CONFORMANCE (NCR)							
DATE		Description of NC		Corrective Action Section B				Approval		
	STEP	Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspecto		
		*.								
			. 4		1					

NOTE: Date & initial all entries

Wednesday, 12/20/2006 1:47:44 PM Date: **Process Sheet** User: Kim Johnston Drawing Name: BUBBLE WINDOW, RH --Customer: CU-DAR001 Dart Helicopters Services Part Number: D32692 Job Number: 30059 Job Number: Description: Seq. #: **Machine Or Operation:** INSPECT WORK TO CURRENT STEP 6.0 Comment: INSPECT WORK TO CURRENT STEP PACKAGING RESOURCE #1 PACKAGING 1 7.0 Comment: PACKAGING RESOURCE #1 Identify and Stock Location:\_\_\_\_ FINAL INSPECTION/W/O RELEASE QC21 8.0

Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



## **Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES	WORK ORDER CHANGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	•	PAR #: Fault Category: No	CR: Yes	No DQA	\:	Date: _	<u> </u>

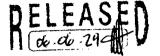
QA: N/C Closed: \_\_\_\_ Date: \_\_

NCR:			WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B	Verification						
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector			
		· · · · · · · · · · · · · · · · · · ·									

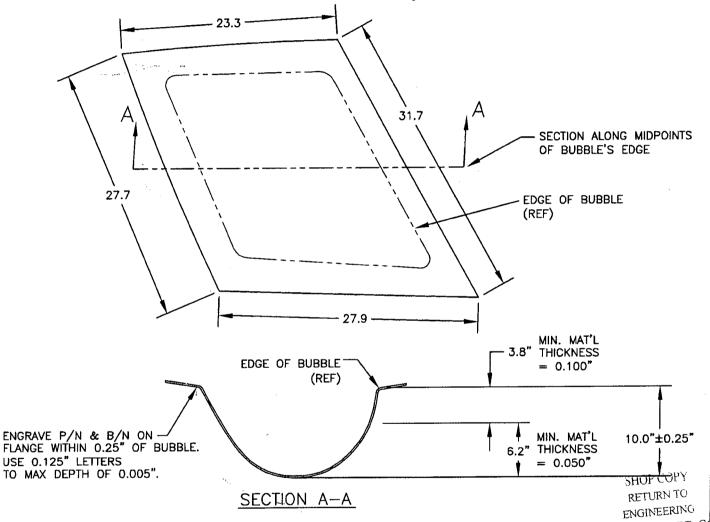
NOTE: Date & initial all entries



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ļ	DESIG	CP	DRAWN BY	DART AEROSPAC HAWKESBURY, ONTARIO, CA	
	CHEC	KED JA	APPROVED	DRAWING NO.	REV. C
		#	#	D3269	SHEET 1 OF 1
	DATE			TITLE	SCALE
	06.0	06.22		BUBBLE WINDOW (R44)	1:10
	Α		05.02.18	NEW ISSUE	
	В		05.03.10	UPDATE MATERIAL SPEC.	
			06.06.22	NO LONGER TRIMMED	_



05.02.18	NEW ISSUE	
05.03.10	UPDATE MATERIAL SPEC.	
06.06.22	NO LONGER TRIMMED	-
}	05.03.10	05.03.10 UPDATE MATERIAL SPEC. 06.06.22 NO LONGER TRIMMED



### D3269-1 BUBBLE WINDOW, LH (SHOWN)/ D3269-2 BUBBLE WINDOW, RH (OPPOSITE) ONTROLLED COPY SUBJECT TO AMENDMENT

1) FORM PER D3269-1T1B (-1) OR D3269-2T1B (-2)

DRAPE OVER D3269-1T1/-2T1 MOLD (a)

(b) HEAT TO 250°F

VACUUM FORM TO SPECIFIED HEIGHT (c)

LEAVE FOR AT LEAST 20 MINUTES COVERED WITH INSULATED BLANKETS TO COOL

WITHOUT NOTICE

WORK ORDER

- 2) MATERIAL: PLEXIGLAS G CLEAR CAST ACRYLIC SHEET PER LP-391 TYPE 1 GRADE C, 0.188 TH. MINIMUM THICKNESS AFTER FORMING AS SHOWN ABOVE
- 3) ALL DIMENSIONS ARE IN INCHES

FORMING PROCESS:

4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

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	DESIG	p	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
1	CHECK	(ED	APPROVED	DRAWING NO.	REV. B
		W	-	DSI 9329 SHEET	1 OF 1
	DATE			TITLE	SCALE
	06.0	6.26		BUBBLE WINDOW INSTALL MOD.	NTS
	Α		06.04.25	NEW ISSUE	
	В		06.06.26	CHG TO EFFECTIVE AFTER CHG 002	2

## DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D044-713 REV. A

REF. CANADIAN STC: SH05-13 ISSUE 1 REF. FAA STC: SR02088NY

PURPOSE:

For the D044-713-013/-014 kits supplied after CHG 002, the D3267-1/-2 bubble windows have been supplied untrimmed to allow for easier installation in the field. The installer must trim the windows in accordance with these instructions prior to installation.

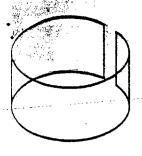
#### PROCEDURE:

- 1) Modify the R44 crew door per items 3.2.1 and 3.2.2 of Installation Instructions IIN-D044-713 Rev.A.
- 2) Fit and trim the D3269-1/-2 Bubble Window to match the cutout in the door as follows: The bubble window must be a minimum of 0.30" (7mm) larger than the cutout in the OEM window as shown in the figure below. However, in the corners of the window, it is acceptable to trim a 0.06" minimum overlap (1.5mm) to help prevent the D2126-0903 Seal from buckling/creasing in the corners. The edge of the bubble window must be deburred to a smooth finish.
- 3) Continue installing the bubble window per items 3.2.3 through 3.2.5 of the installation instructions SECTION A-A FIGURE 1 (NOT TO SCALE) LOOKING AT INSIDE CORNER OF DOOR OUTBOARD TRIMMED OEM WINDOW (PER IIN-D044-713) DOOR (REF) D3269-1/-2 BUBBLE WINDOW TRIM BUBBLE WINDOW TO MIN OVERLAP OF 0.06" (1.5mm) IN CORNERS TO PREVENT SEAL FROM SEAL (REF) BUCKLING/CREASING BUBBLE WINDOW 3.0" (76mm, MAX, TYP) BUBBLE WINDOW CORNER (REF) 0.30" (7mm) MIN. OVERLAP (REF) TRIM BUBBLE WINDOW LEAVING 0.30" (7mm) MINIMUM OVERLAP ALL PLACES EXCEPT CORNERS CANADA **DEPARTMENT OF TRANSPORT** 3.0 AIRCRAFT CERTIFICATION SHOP COPY CORNER **BRANCH** (REF) RETURN TO DAO # 01-O-01 ENGINEERING UNCONTROLLED COPY PROVED SUBJECT TO AMENDMENT WITHOUT NOTICE WORK ORDER DATE: 06.06.26 CERT. NO.: SH05-13

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ISSUE NO .:

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GINUS Plasiics Inc. 200 Lisaar Street 200 Lisaar Street 200 OE2 2200 Ontario, Canado 2200 OS3-3760

#### CERTIFICATE OF CONFORMANCE

TO: Don't	Date:	01-07
	P.O. 606	2763
		131852
	Packing Slip	1)1000
applicable Government requirements and the	slip are in conformance with t specifications and/or pure at physical and/or chemical are on file and will be made nament upon request.  DESCRIPTION	chase order reports of the
5	# D3269	Plangles G
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